**Business Goal**

**Given**: APS customer has successfully logged in by the APS system.

**And** : have an active e-billing account with the billing company

**And :** statement Data is available

**When:** APS customer wants to view aggregated account information.

**Then:** accounts information is displayed

|  |  |  |  |
| --- | --- | --- | --- |
| **Successful Login** | **Active e-billing** | **Data available** | **View Data** |
| yes | yes | yes | yes |
| yes | no | no | no |
| yes | yes | no | no |
| no | yes | yes | no |

**Login**

**Given:** registration is complete

**And :** user identification and authentication data validated

**When:** successfully login on APS

**Then :** user logged in the APS system

|  |  |  |
| --- | --- | --- |
| **Successful Registration** | **Validation** | **Logged in** |
| no | no | no |
| yes | no | no |
| yes | yes | yes |

**Registration Customer**

**Given:** Customer provides APS registration details

**And :** registration notification is send to customer

**And :** customerconfirms registration

**When:** User registers successfully

**Then :** Customer has successfully registered

|  |  |  |  |
| --- | --- | --- | --- |
| **Details Provided** | **Notification Sent** | **Registration**  **Confirmed** | **Successful Registration** |
| no | no | no | no |
| yes | no | no | no |
| yes | yes | no | no |
| yes | yes | yes | yes |

**Accounts Statement Configuration**

**Given:** customer select billing company

**And**: customer provides billing accounts details

**And** : customer provides login credentials

**When:** customer successfully setup billing account

**Then:** account status is set to active

|  |  |  |  |
| --- | --- | --- | --- |
| **Billing company selected** | **Details provided** | **Login credentials provided** | **Account status** |
| no | no | no | inactive |
| yes | no | no | inactive |
| yes | yes | no | inactive |
| yes | yes | yes | active |

**Scrape Schedule Specification**

**GIVEN:** The billing company is specified

**AND :** The billing company’s website peak demand periods are known

**AND**: is not maintenance window

**AND :** The number of days per billing cycle for the billing company is complete

**AND :** The retry interval following unsuccessful scrape is set

**WHEN:** scheduling for scraping

**THEN:** scheduler is successfully set

**Examples:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Billing Company** | **Is Maintenance Window** | **Is Peak Period** | **Billing Cycle complete** | **Retry Interval is set** | **Scrape schedule** |
| no | no | yes | no | no | no |
| yes | yes | yes | Yes | Yes | No |
| yes | no | no | yes | yes | yes |

**Scraper Invocation Specification**

**Given:** Account status is “Active” or “Trying”  
**And**: user credentials are correct

**And**: user signed up for e-billing  
**And**: billing site is up  
**And**: billing statement page is available  
**And**: the scraper script is working appropriately  
**When**: the scraper is invoked to scrape an account  
**Then:** statement data is returned

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| valid user credentials | user signed up for e-billing | e-billing account update not required | billing company site up | billing statement page is available | webscraper script correct | Statement Returned |
| yes | yes | yes | yes | yes | yes | yes |
| no | yes | yes | yes | yes | yes | no |
| no | no | yes | yes | yes | yes | no |
| no | No | No | Yes | Yes | Yes | no |

**Given:**

**When:** scraping is invoked

**And**:

**And**: error occurs

**Then :** error code is written to returned XML file

**Examples**:

|  |  |
| --- | --- |
| **scenario** | **error code** |
| invalid user credentials | "InvalidCredentials" |
| user not registered for e-billing | "UserNotRegistered" |
| e-billing account update required | "AccountUpdateRequired" |
| billing company site down | "BillingSiteDown" |
| billing site page error encountered | "BillingSitePageError" |
| webscraper broken script | "UndeterminedError" |

**Given:**

**When:**

**Then :**

**Given:**

**When:**

**Then :**